Approved for use through 10/31/2002. OMB 0651-0032

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

UTILITY **PATENT APPLICATION TRANSMITTAL**

Attorney Docket No. 8956-000104/US First Inventor Hyung-Dong KIM SEMICONDUCTOR MEMORY DEVICE FOR ENHANCING BITLINE PRECHARGE TIME

•				L						
(Only for I	new nonprovision		Express Mai	l Label No.						
See MPEP	APPI chapter 600 cond	i.	ADDRESS TO: Commissioner for Patents Box Patent Application P.O. Box 1450 Alexandria VA 22313-1450							
2. 🔲	Fee Transmitta (Submit an original a Applicant claim See 37 CFR 1.:	1	Alexandria, VA 22313-1450 7. CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix) 8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)							
	 Descriptive title of Cross Reference Statement Rega Reference to see 	ement set forth belo	cations ed R & D ole,	_[ا	a. Computer Readable Form (CRF) b. Specification Sequence Listing on: i. CD-ROM or CD-R (2 copies); or ii. paper c. Statements verifying identity of above copies ACCOMPANYING APPLICATIONS PARTS					
	 Background of the 	ne Invention			<u> </u>					
-	 Brief Summary of Brief Description Detailed Descrip Claim(s) Abstract of the D 	of the Drawings (i tion	f filed)		9. Assignment Papers (cover sheet & document(s)) 10. 37 C.F.R.§3.73(b) Statement Power of (when there is an assignee) Attorney					
	Abstract of the b	isclosure			11.	English T	ransl	ation Docu	ment (if applicable)	- 1
	Drawing(s) (<i>35 (</i> Declaration	, .	otal Sheets 4 otal Pages 3]]]	12. 🗌		Information Disclosure Copies of IDS Statement (IDS)/PTO-1449 Citations			
a. 🛛	Newly execute	ed (original or co		, .	13. 🔲	Prelimina	ry An	nendment		
_			37 CFR 1.63 (d))		14. 🛛				(MPEP 503)	
			ith Box 18 comple	ted)	45 🖂			ecifically ite		
i. 🗀	DELETION	OF INVENTOR	R(S)		15. 🛛			of Priority rity is clain	Document(s)	
	Signed stateme	ent attached deleting rior application, see	g inventor(s)		16.	Request (b)(2)(B)(i	and C i). Ap	ertification plicant mu	n under 35 U.S.C. 122 est attach form PTO/SB/35	
		Sheet. See 37 CF			17. 🛛		ecks	in the amo	ount of \$40.00 and \$888.00.	
				suppl	y the requis	ite informatic	on bel	ow and in a	preliminary amendment,	╛
		neet under 37 CFF								
☐ Conti		☐ Divisional	Continuation-	in-pari	t (CIP)				:/	١
For CONTIN	Prior application information: Examiner Group / Art Unit: For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.									
			17. CORRES	_						┫
□ Correspondence address below Solvent Customer Number or Bar Code Label Solvent Customer No. or Attach bar code label here)										
	Harness, Dickey & Pierce, P.L.C.									\dashv
Name	Vame									\dashv
Address	P.O. Box 8910									
City	Reston State				VA		Zip	Code	20195	7
Country United States of America Telephone				703-668-8000 Fax 703-668-8200				٦		
Name (Print/Type) John A. Castelland////				T	Registration No. (Attorney/Agent) 35,094				ヿ゙	
Signature		/	11000					Date	September 11, 2003	7
										_

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

	159
9	915
\succeq	2
\subseteq	co
ដ	•
	PT

FEE TRANSMITTAL		Complete if Known						
for FY 2003	Application Number	NEW						
101 1 1 2000	Filing Date	September 11, 2003						
	Inventor(s)	Hyung-Dong KIM						
Patent fees are subject to annual revision.	Examiner Name	Unassigned						
	Group / Art Unit	Unassigned						

TOTAL AMO	UNT OF PAY	MENT (\$) 928.0	טט	Attorn	ey Docke	et No.	8956	-000104/05		
METHOD OF PAYMENT (check one)							FEE CALCULATION (continued)			
1. 🗆		sioner is hereby authorized s and credit any over paym		3. ADI	DITIONAL Large Entity	. FEES	Small Entity	***************************************		
Deposit Account 08-0750 Number				Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fed Pai	
				105	130	205	65	Surcharge - late filing fee or oath		
Deposit	\			127	50	227	25	Surcharge - late provisional filing fee or cover sheet.	<u> </u>	
Account	Harness, Dic	key & Pierce, P.L.C.		139	130	139	130	Non-English specification		
Name	L			147	2,520	147	2,520	For filing a request for reexamination		
Under 37	ny Additional Fee CFR 1.16 and 1.	17		112	920*	112	920*	Requesting publication of SIR prior to Examiner action		
See 37 (t claims small ent CFR 1.27	ity status.		113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action		
2. 🖾 Payme	ent Enclosed:			115	110	215	55	Extension for reply within first month		
Check	☐ Credit care	Money Order	Other	116	410	216	205	Extension for reply within second month		
	FFF (ALCULATION	 	117	930	217	465	Extension for reply within third month		
1. BASIC F	ILING FEE	ALOULATION		118	1,450	218	725	Extension for reply within fourth month		
arge Entity	-			128	1,970	228	985	Extension for reply within fifth month		
ee Fee	Fee Fee	Fee Description	For Bold	119	320	219	160	Notice of Appeal		
ode (\$)	Code (\$)	Little , Eline for	Fee Pald	120	320	220	160	Filing a brief in support of an appeal		
01 750	201 375	Utility filing fee	750.00	121	280	221	140	Request for oral hearing		
06 330 07 520	206 165 207 260	Design filing fee Plant filing fee		138	1,510	138	1,510	Petition to institute a public use proceeding		
08 750	208 375	Reissue filing fee		140	110	240	55	Petition to revive - unavoidable		
14 160	214 80	Provisional filling fee		141	1,300	241	650	Petition to revive - unintentional		
	SUBTOTA	VI (4)	(\$) 750.00	142	1300	242	650	Utility issue fee (or reissue)		
	3051017	(L (1)	(3) 730.00	143	470	243	235	Design issue fee		
. EXTRA CLAI	M FEES			144	630	244	315	Plant issue fee	<u> </u>	
		Extra Fee from	Fee	122	130	122	130	Petitions to the Commissioner	<u> </u>	
tal Claims 23	3 -20 ** =	Claims below X 54.00	Paid = 54.00	123	50	123	50	Processing fee under 37 CFR 1.17 (q)	<u> </u>	
lependent 4	-3" =	1 X 84.00	= 84.00	126	180	126	180	Submission of Information Disclosure Stmt		
ultiple 0		x] = [581	40	581	40	Recording each patent assignment per property (times number of properties)	40.0	
arge Entity	£			146	750	246	375	Filing a submission after final rejection (37 CFR § 1.129(a))		
Fee Fee Code (\$)	Fee Fee	ree Description		149	750	249	375	For each additional invention to be examined (37 CFR § 1.129(b))		
03 18 02 84	203 9 202 42	Claims in excess of 20 Independent claims in		179	750	279	375	Request for Continued Examination (RCE)		
02 84 04 280	202 42						900		<u> </u>	
09 84	209 42	** Reissue independer original patent		169	900	169	900	Request for expedited examination of a design application		
** Poissus daims in excess of 20 and				1						
110 18 210 9 resiste dalitis in excess of 20 and over original patent				Other fee (specify) Checks in the amounts of \$40.00 and 888.00						
			Curior red (specify) Origons in the amounts of \$40.00 and boo.00							
		SUBTOTAL (2) (\$) 888	3.00	*Rod	ced by Ba	sic Filin	n Fee D	aid SUBTOTAL (3)		
**or number oroxid	nish naid if oreste	r: For Reissues, see above		1	Ju by ba	1 1111	g . 50 m	(\$) 40.0	JU	
	resit pour, il tricale									

SUBMITTED BY		Complete (if applicable)			
Name (Print/Type)	John A. Castellano	Registration (1) Attorney/Agent)	35,094	Telephone	703-668-8000
Signature		1/1/19		Date	September 11, 2003

and authorization on PTO-2038.

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.